

THORNSBERRY et al
Appl. No. 09/987,693

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Cancelled)
2. (Cancelled) The article of claim 22, wherein said foam board is a polyurethane laminated foam board.
3. (Cancelled) The article of claim 22, wherein said foam board is a polyurethane modified polyisocyanurate laminated foam board.
4. (PREVIOUSLY PRESENTED) The article of claim 22, wherein said mixture comprises methyl esters of about 59% glutaric acid, about 20% succinic acid, and about 21% adipic acid.
5. (PREVIOUSLY PRESENTED) The article of claim 22, wherein the foam formulation comprises a polyol and an organic polyisocyanate, and wherein said mixture is added at an add-on rate within the range of about 0.5 to about 5.0 parts per hundred of polyol (pphpp).
6. (PREVIOUSLY PRESENTED) The article of claim 5, wherein said mixture is added at an add-on rate within the range of from about 1.0 to about 3.0 pphpp.
7. (PREVIOUSLY PRESENTED) The article of claim 22, wherein the foam core is blown with an expansion agent which includes n-pentane.

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8. (PREVIOUSLY PRESENTED) The article of claim 22, wherein the foam core is formed with an amount of the mixture whereby a peel strength resistance for the facers is greater than 1.0 pound.

9. (Cancelled)

10. (PREVIOUSLY PRESENTED) The article of claim 23 wherein said mixture comprises methyl esters of about 59% glutaric acid, about 20% succinic acid, and about 21% adipic acid.

11. (PREVIOUSLY PRESENTED) The article of claim 23 wherein the foam comprises a polyol and an organic polyisocyanate, and wherein said mixture is added at an add-on rate within the range of about 0.5 to about 5.0 parts per hundred of polyol (pphpp).

12. (PREVIOUSLY PRESENTED) The article of claim 23 wherein said mixture is added at an add-on rate within the range of from about 1.0 to about 3.0 pphpp.

13. (PREVIOUSLY PRESENTED) The article of claim 23, wherein the amount of the mixture utilized is chosen to provide a peel strength resistance for the facers of greater than 1.0 pound.

14. (WITHDRAWN) A method of making a closed-cell polyurethane modified polyisocyanurate laminated foam board, comprising:

adding to a foam formulation a mixture of the methyl esters of glutaric, succinic, and adipic acid to improve adhesion of a facer to the foam board;

curing the foam formulation in a manner to provide foam core interposed between two facers adhered to the foam core.

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15. (WITHDRAWN) The method of claim 14, wherein the step of adding the mixture comprises adding methyl esters of about 59% glutaric acid, about 20% succinic acid, and about 21% adipic acid.

16. (WITHDRAWN) The method of claim 14, wherein the foam formulation comprises a polyol and an organic polyisocyanate, and wherein said mixture is added at an add-on rate within the range of about 0.5 to about 5.0 parts per hundred of polyol (pphpp).

17. (WITHDRAWN) The method of claim 14, wherein said mixture is added at an add-on rate within the range of from about 1.0 to about 3.0 pphpp.

18. (WITHDRAWN) The method of claim 14, further comprising blowing the foam core with an expansion agent which includes n-pentane.

19. (WITHDRAWN) The method of claim 14, further comprising choosing an amount of the mixture to provide a peel strength resistance for the facers of greater than 1.0 pound.

20. (Cancelled) The article of claim 22, wherein the two facers are one of a glass reinforced facer and a coated glass facer.

21. (Cancelled) The article of claim 23, wherein the two facers are one of a glass reinforced facer and a coated glass facer.

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22. (PREVIOUSLY PRESENTED) A laminated foam board comprising:
a closed-cell foam core formed from a polyurethane modified polyisocyanurate
foam formulation including a mixture of the methyl esters of glutaric, succinic, and
adipic acid;
two facers disposed on opposing broad flat surfaces of the foam core, the two
facers being one of a glass reinforced facer and a coated glass facer;
a bonding strength of the facers to the foam core being greater than had the
mixture not been used.

23. (PREVIOUSLY PRESENTED) A polyurethane modified polyisocyanurate
laminated foam board comprising:
a closed-cell foam core formed from a foam formulation which includes (1) a
mixture of the methyl esters of glutaric, succinic, and adipic acid, and (2) n-pentane as an
expansion agent;
two facers adhered to opposing broad flat surfaces of the foam core, the two facers
being one of a glass reinforced facer and a coated glass facer;
an amount of the mixture included in the foam formulation being chosen to
enhance adhesion of the facers to the foam core.